

AMENDMENTS

Please amend Claim 1 as follows:

1. (AMENDED) A microfluidic device comprising:

a substrate having at least one channel and at least one aperture in fluid communication with said channel;

a cover bonded to said substrate such that a reservoir is formed at said at least one aperture; and

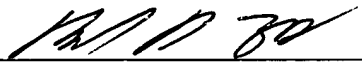
an electrically conducting ink pattern on at least one of said substrate and cover such that when a material is present in said channel and reservoir said ink pattern makes electrical contact with said material.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 427922000920. However,

the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: October 4, 2001

Respectfully submitted,

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Attachment of Amended Claims Showing Changes

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